

PHYSICS LABORATORY

Physics laboratory is equipped with modern equipments to help the students learn the concepts of Physics with experiments. It is designed to give practice of taking measurements, analyzing data and drawing inferences by doing the experiment.

The lab is quite spacious and very well ventilated to ensure proper availability of light in it.

The front of the room is fitted with a white board and a large demonstration table, the students spend most of their time at their lab tables performing their own experiments. There's a computer in the lab for the students to reach for data collection and analysis. There is ample space in the middle of the room for large scale experiments. The lab is very well equipped with instruments, like- meter bridges, battery eliminators, potentiometers, Hooke's apparatus, etc. The pin-boards on each wall are decorated with very suitable charts, maps, illustrations and quotes and at the same time various models, made by the students, are exhibited all around the lab.

What makes its significance even stronger is the presence of the students and the teacher.



CHEMISTRY LAB

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Chemistry is a laboratory science and cannot be effectively taught without a robust laboratory experience for students at both the middle and high school levels. The identification, manipulation, and general use of laboratory equipment are integral parts of the subject. Keeping this aim in view, our school chemistry laboratory is equipped with all necessary apparatus and chemicals which help to conduct meaningful demonstrations and experiment. The laboratory environment is such that it is accessible to all students and maintained with safety in mind. Chemistry is equipped with lab library also and has first aid box in case of emergency. In the lab with appropriate accommodations, students with limited strength or mobility can participate in the laboratory experience. The experiments conducted in lab ensure students to develop the essential skills of science. I, Mrs. Ritu Gupta ,PGT CHEMISTRY as a lab incharge always use safety measures to protect students during any investigation.

Practical conducted in chemistry lab helps in achieving following goals:

- To arouse and maintain interest, attitude, satisfaction, open-mindedness and curiosity.
- To develop creative thinking and problem-solving ability.
- To promote aspects of scientific thinking and the scientific method.
- To develop conceptual understanding.
- To develop practical abilities (for example, designing an experiment, recording data and analysing and interpreting results obtained from conducting an experiment).
- Understanding of scientific concepts.



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BIOLOGY LAB

Practical science and a science lab that both supports and encourages learning is the key to any good Science lesson. The overlap of real-life experiences and practical science allows for discovery of answers. Our biology lab is operational with required infrastructure. The best equipment, slides, models, specimens, microscopes, 3D models etc. All learners are given opportunity to conduct experiments using high resolution microscopes and other gadgets. Instruments like weighing balance are digital to ensure best readings and results. Stimulating lessons allow students to experience scientific progression first hand. Practitioners feel confident in the workspace which is reflected in their grasp of concepts.

